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U. S. Department of Agriculture

W. L. W. DARNELL

THE DAHLIA FARM

"On the Sunrise Trail"

East Moriches, Long Island, New York



Order Early

AS ORDERS ARE FILLED IN ROTATION—with field grown roots only—ordering early will insure the reservation of varieties that later may be sold out. CASH WITH ORDER. All orders will be shipped after May 1st, by express or insured mail at my expense. Dahlias ordered shipped before April 15th will be sent at PURCHASER'S RISK of drying out, freezing or rotting.

GUARANTEE—I guarantee safe arrival of all goods. I guarantee all bulbs to be true to name, and will cheerfully replace if not. DO NOT PLANT TUBERS IMMEDIATELY ON RECEIPT OF SAME. Put in warm, sunny position, cover lightly with damp sand, and when sprout or eye makes positive growth, plant where desired. If, for any reason, tubers fail to grow, they can be returned at once, without labor or loss of time, with tag attached, and each tuber so returned, within 25 days from date on which I shipped your order, will be replaced without cost.

ERRORS—While my system for handling orders is as near perfect as possible, in the rush of business errors are possible. If promptly notified of such, will at once make same satisfactory. Keep copy of your order for comparison.

REMITTANCES should be made by bank draft, postoffice money order or registered letter. POSTOFFICE MONEY ORDERS MUST BE MADE PAYABLE AT EAST MORICHES, N. Y. Postage stamps accepted up to \$2.00. All orders under \$2.00 add 25 cents for Parcel Post and Insurance.

NAME AND ADDRESS—Remember to write your Name, Postoffice, County and State Plainly.



HOW TO PLANT

Roots should be planted in trenches or holes, 4 inches deep in heavy soil and 6 inches deep in sandy soil, laid flat down (not on end) and covered with earth not over 2 inches in depth, filling in as the plant develops. Where drainage is poor, do not plant so deep, and keep a furrow open between rows to facilitate drainage in wet weather.

Do not plant roots or plants in or over hot manure or any quantity of compost. Although practiced by some gardeners, we do not recommend the use of any fertilizer or bone meal in the hole directly under the dahlia root or plant, as there is too much danger of injuring the tender feed roots, but rather a broadcast application after spading. The stunt in dahlia plants can often be traced to the burning of the feed roots by excessive chemical feeding.

WHEN TO PLANT

Should you desire a mass of color for landscape effect or a number of smaller blooms to cut, early planting is recommended. For exhibition blooms later planting is advisable, unless you intend to cut back, prune and disbud systematically.

Dahlias should be planted in Southern New England, Southern New York State, Pennsylvania and North Jersey between May 15th and June 15th, while in South Jersey, Delaware, Maryland, Virginia and interior States of the same latitude the planting period extends from May 1st to July 1st; North Carolina from April 15th on, South Carolina and Georgia from April 1st on, advancing through Florida to January in the citrus fruit belt. Farther north, where hot Summers are less harmful and early frosts are prevalent, planting may commence as soon as danger of frost is over. In the northern parts of the United States and Canada we recommend starting dahlia roots or plants in a cold frame in pots or in squares of inverted sod, so they can be planted in your garden without disturbing the feed roots. Should the top growth be

over 6 inches at time of planting out it would be well to top out, leaving preferably two nodes above the ground. When green plants are grown in 2 to 2½-inch pots, as soon as a good root growth is developed they should be reported in 3 to 4-inch pots and pinched out at time of re-potting.

CUT FLOWERS

Dahlias should be cut in the evening or early morning, removing the lower leaves and all of the buds. Put in water in a cool, dark place to freshen for a few hours.

Hot Water Treatment—Cut and put stems in 2 inches of water, almost boiling, for 2 minutes. Then place in deep cold water to cool. Flowers are then ready to ship by packing in a strong corrugated box lined with tissue paper. Fasten stems down by nailing a wooden strip in the center of the box or by tying down through the bottom. Flowers packed snugly will carry better than when packed loose and allowed to batter.

Flowers when wilted can be freshened by cutting end of stem and placing in water of 200 degrees F. and left till water cools. Then place in deep cold water. Be sure to keep flowers away from rising steam.

The hot water treatment will do wonders in making your exhibition blooms keep fresh after staging, but do not cut off the discolored end of stem unless you are again going to treat it.

The physical action of a cut flower is to take water up into the stem which evaporates through the flower and foliage. The slower this action of evaporation or transpiration takes place, the longer the life of the flower. From this you will see that buds and foliage will shorten the life of your flower. Also avoid placing cut flowers in a draft.

DIGGING AND STORING

After the first black frost, cut off the tops at the ground and allow a few days for the stalks to bleed out before digging. Then dig with a garden fork. Care should be exercised not to break the necks of the tuberous roots. Cut the stalk back again to about 2 inches above the crown. Then by tapping on the cut stalk endwise with a light instrument, most of the dirt will free without injury to the necks of the roots. Dry in the sun a few hours, and your clumps are ready to store. A root or white potato cellar is preferable with a temperature of about 40 degrees. In this they need no protection or covering. The average house cellar is too dry and hot, and in such conditions the clumps should be placed in the coolest part and packed upside down in a box in dry sand, ashes or, preferably, ground peat moss.

When packing in peat moss, care should be exercised, first, not to allow clumps to lay around and shrivel before packing away, but pack away the same day as dug if you are using dry peat moss as it comes from the bale. Second, do not use more peat moss than necessary to just barely cover each layer of clumps before putting in the next layer. The reason for this precaution is that all root crops sweat when taken into storage. The purpose of the peat moss is to absorb this sweat and conserve it for later when the roots need it. Therefore, too much peat moss will cause your roots to dry out.

After the roots are stored a month, it is well to look them over, trim out any portion showing rot and dip all the fresh cuts in fine dusting sulphur, and pack them back again as before. Should the roots show signs of shriveling, place dampened peat moss over the top of the box to prevent further drying.

Dahlia roots air dried and so packed should keep well until spring with no further handling, providing they were grown properly, well ripened, and not frosted.

DAHLIA TUBERS THAT WILL WINTER

Sidestep the varieties that are known to be poor root makers. Plant only stock that has been properly grown without forcing.

Forceful so that your plants will have a balanced ration.

Cultivation is worth more than watering for healthy plant growth. Water thoroughly only when necessary, but cultivate once a week throughout the season, until the middle of September, then stop. This check will help materially in ripening the roots.

Selected stock, properly fertilized, watered and cultivated, will produce wonderful blooms, and the roots will have every chance of wintering well. A complete starch formation is essential for proper wintering of a dahlia root.

FERTILIZER

A primer on fertilizer formulas would be of great help to most large growers, as well as to the owners of very small gardens. More often than not, the buyer has little idea of the real value in the sack he receives. It is fertilizer, and whether it is suited to the ground he will plant, or the crop grown, is seldom considered.

Dahlias, like potatoes, require nearly four times as much potash as phosphate, and double as much potash as nitrogen. That is, a normal crop harvested from an acre of ground will rob that ground of the above proportions of fertilizing ingredients.

Most of the nitrogen can be replaced by a cover crop or manure, and though too much nitrogen will force a heavy growth of bush at the expense of tuber and flower, there must be some easily available for starting growth quickly, especially for green plants.

Potash is absolutely necessary for the starch and sugar contained in the tuber, and if absent in a great degree, the plant, though seemingly healthy and vigorous, will produce smaller and many imperfect flowers, and tubers that have neither size nor stamina. Such plants, poorly nourished, are easy prey for pests, and susceptible to fungus. Potash salts are very valuable in this one thing alone, as they strengthen the plants against the attack of fungus, and investigation has proved their value in driving away cut worms, borers, and all other pests, as they dislike its bitterness.

During 1919-20 a test on my farm proved conclusively to me that proper fertilizing is necessary, and that a well balanced ration will show its value plainly in growth and crop.

This test, carried on by a field expert under the direction of Dr. H. A. Huston, involved the use of a differing formula on 12 plots of land, marked out and adjacent to each other.

I had always advocated dispensing with fertilizers, because by own tests had shown poor results from their use. The reason had been my ignorance of fertilizing values, and improper formulas. 6x6x4 meant only what it said to me. I had never stopped to inquire the difference in derivatives and values.

6x6x4 meant just that. How was I to know that the cheaper, more generally used muriate of potash contained injurious chlorides, and that sulphate of potash is best suited to root crops? But I learned.

The results at the end of the second year seemed convincing, but not till the third season did I really grasp the value of potash. During the war most fertilizers were minus this most necessary ingredient, and no doubt much of the weakness of many modern dahlias began during this period. My conclusions, based on what I saw during the experiment, were these: Nitrogen alone was harmful. Phosphate alone valueless. Phosphate plus nitrogen failed to give as good plants or flowers as did the unfertilized plots used as a basis for judgment, and the tubers did not keep as well. Nitrogen and potash, and phosphate and potash, both fell short of the full mixture. Each year gave much the same impression, and each winter the clumps were weighed, tubers numbered, and the final values reached with reasonable certainty.

The past years have convinced me of the value of the formula 4x8x10 for our soil and crop. Many of the tubers used in the two-year test were planted together on unfertilized land during the third season, and the crop was surprising evidence of the value of a fertilizer of the formula I now use. The tubers grown on the full fertilized plot during the two test seasons, made large clumps of perfect tubers, and not only the size and number were greater, but their keeping quality proved all that could be desired. During what was a bad season because of extreme drought followed by storm, the plants could easily be picked out in the field, and the flowers were brighter, and seemed to have more substance.

I am using today a fertilizer 4x8x10, and though there is no such thing as a best formula that will suit all soils and conditions, I believe this one will do as well as any for dahlias. The ingredients for this formula were chosen by an expert after many tests, and this is a near-perfect fertilizer for dahlias.

THRIPS

Thrips are tiny insects which in the nymph stage are less than $\frac{1}{8}$ of an inch long and of a greenish gray color. They enter the growing leaf bud and chafe the newly formed leaves, injuring them so that they develop malformed and

curled. These insects seem to prefer certain varieties on account of flavor and do not molest the adjacent bush. If the attack is not checked the leaves will be gnarled and twisted, the buds one-sided or so injured that they dry up and fall off. This usually results in a stunted bush, which in reality is only debilitated by insect ravages.

LEAF-HOPPERS

Leaf-hoppers are larger than thrips and of a pale yellowish green in color, a little over $\frac{1}{8}$ of an inch in length. They fly when the bush is touched during the heat of the day. These sucking insects keep a plant from getting a good start. They, as well as thrips and aphids, are common carriers of virus diseases and should be kept in control for this reason. During windy weather when dust cannot be applied to advantage, overhead sprinklers used during the heat of the day will control red spider and check the leaf-hoppers and thrips.

We believe that the best control of thrips, leaf-hoppers and aphids is dusting with a good nicotine dust. Apply in sunshine with the temperature above 70 degrees at weekly intervals as a preventive from the time the plants are set or roots start to grow, and if any should appear then about every four days until they disappear.

Another good control method is to spray with pyrethrum soap. This can be done at any time of the day and regardless of weather conditions, except rain. We have found this very effective for leaf-hoppers, thrips, red spiders and aphids. Use 4 ounces to 5 gallons of water. For all beetles, grasshoppers, ants and more hardy insects, use double strength or half the amount of water. Some of our customers have had wonderful results by using a pyrethrum soap, 4 ounces to 5 gallons, and adding 1 teaspoonful of Black Leaf 40 to each gallon. This kills not only by asphyxiation, but also by the toxic action of the pyrethrum. Should a bush be infested with ants, spray bush and pour a few quarts of spray down the ant hill or enough to fill the hill. This will do the dahlia no harm, but kill the ants.

By dusting or spraying before the presence of insects, it is doubtful if you will see any.

CUT WORMS

Cut worms are easily controlled by scattering about a teaspoonful of poison bran bait around the plant (but not touching it) as soon as plants are set or shoots appear from roots. The early evening is the best time to apply it. Mix 2 tablespoonfuls of molasses or brown sugar (dissolved), 1 level teaspoonful paris green and juice of an orange in water. Add 1 quart of bran, or enough to make a reasonably dry mash.

STEMBORER

This black-and-white-striped worm when small enters the stem just above the ground and usually works upward. It will be noticed in the early season by the shortening of the internodes and later on by wilting. When noticed early, cut the plant off near the ground and get the borer with your knife. If the borer is below where you want to cut back, use a hooked wire from the top. A plant cut back not later than July 15th should be in full bloom early in September. Wax may be used to close up top of plant after borer is out so water will not get in and rot the plant.

Should a plant be too large to cut back when the borer is discovered, use pyrethrum soap at strength of $2\frac{1}{2}$ ounces to gallon and inject with ear syringe. This will kill the borer or drive it out. Drain stalk out by slitting at the bottom to prevent stem rot.

STUNT

We dig and destroy all unhealthy stock at soon as detected. This is calling rogueing. As there are a number of reasons why a plant should stunt, it is hard to tell the exact cause. However, we do know that rogueing is the only practical way of eradication, and believe some of the causes of stunt may be attributed to one or more of the following conditions: From lowered vitality as a result of poor culture, lack of cultivation, or forcing the stock with manure and water the previous season. The ravages of attacking insects, thrips, leaf-hoppers, stem borers, etc. The rotting of the feed roots caused by too much water where drainage is poor, or water in the hollow part of the stem.

Regardless of cause, all stunt should be dug out and destroyed.

DAHLIAGRAMS

DO not be discouraged if your dahlias do less than you expected the first season. Many of the finer varieties need acclimating, and are much below their best the first year because of changed conditions, but their second year showing will surprise you. A second trial has often proved my first year judgment wrong.

Varieties differ. Every season will not be ideal for every dahlia, but every year will find some varieties at their best.

Size is only of value when allied to all other good points.

A high price and printer's ink is not a guarantee of long life. Many dahlias, introduced with both, died in childhood.

A five-inch flower with stem and substance is worth one hundred mere exhibition varieties.

More blooms of dahlias were used last year than those of any other flower.

No plant equals the Dahlia for length of blooming season.

No plant produces as many blooms.

No plant numbers so many different forms.

No plant gives so great a variety of color.

No plant is so well adapted for decoration, indoors or out.

The growing of exhibition blooms and satisfactory tubers cannot be accomplished in the same hill. If you want 12-inch flowers go after them with nitrate of soda and water, but do not sell, neither pin your faith for another year on the tubers produced. As a man may dig his grave with his teeth, so may a good tuber stunt and die from overfeeding.

To assure blooms for a show, when disbudding allow up to 12 days from first break in bud to perfect flower, depending on variety.

Make not too rash promises for your seedlings, but let time be your judge. Many a man cuts his throat with his tongue.

An amateur is not one who acquires his stock by trade, carries a shoe box of flowers each morning to a retail florist for a cash consideration, and sends some cut price list of the varieties he grows to the larger growers. Neither is one compelled to do any or all these things before entering as a bona-fide amateur. Thrift is a good characteristic, and to be commended, but whoever does these things is a semi-professional, and his class is the Open To All.

Commercial flowers keep longer, and give better results if not forced. The potash content of a good fertilizer guarantees good keeping tubers.

Green plants are not better than tubers. Neither are they as good. The ratio rightly is 3 to 1, and I would sooner have one good tuber than four green plants.

Green plants do not give better flowers than tubers. Some

grower said it, and without thought it was made a stock phrase.

Because of the slower growth that matured flowers about the time of the shows, causing growers to give more care and feed to the coming blooms, the statement was easy to believe. After four years of tests, we have found no difference in size of flower. Tubers yield more flowers. The flowers from tubers have more substance and last longer.

There is much variation in the time that professional dahlia growers set as the best time for planting. It varies from early April to late July. We are compelled to keep planting from the earliest to the latest date, and base our recommendations on a long and broad experience.

For the best crop of tubers, as soon as the ground is warm, May 10th to 15th. For best exhibition flowers July 1st. For most commercial flowers June 1st to July 15th, saving those varieties of least value for latest planting, as the tuber increase will be small. This is the method followed by other Long Island growers who ship hundreds of dozens of cut dahlias to the market each day.

After all, the weather is King. But the grower with a small garden or a few hundred hills of dahlias can depose the King, and reign in his stead. Can water, feed and care for each hill, stake and shade them, and give the dahlia nearly all the very best season affords.

If you choose dahlias in the showroom, you are sure of the color. If you choose dahlias from the field, you are sure of everything but judgment, but you get what you know you want. And if a variety appeals to you, if you love it for a grace and beauty your eye discerns, you have chosen wisely.

Taste is an individual characteristic. The giant decorative may be anathema to the lover of the graceful single or collar-ette. The dainty pompon will appeal to many for whom the large flower has no attraction. Because we find a variety that we bought from catalogue description does not fit our mental vision, nor suit our taste, is no reason for reviling the originator. It is only sure that his likes and ours fail to agree. No grower wastes his garden and catalogue space on a variety that does not please him. It costs as much to raise and sell a poor variety as a good one.

A good stem is the most requisite part of a dahlia. Every shade and tint, will find admirers, but every admirer of any color must have the flowers on a stem that carries it where the eye may see its beauties.

The demand for size has done more harm to the dahlia than all other pests combined. Forcing for the showroom weakens the tubers.

Cactus Dahlias

	Each		Each
ALICE WHITTIER. Primrose yellow. A very tall grower with flowers of large size and depth on good stems	.50	EDNA FERBER. A huge semi-cactus of coral shaded old gold at base. Petals curl and twist artistically, and stems are the best	1.00
AMBASSADOR. Soft yellow-buff, shaded salmon pink with tan center, on good stems	.50	ELSIE DANIELS. Blue lavender with white center. A large and free bloomer	.50
AMBER GLOW. Bright yellow, deepening to orange at center. Unbeatable for exhibition	.50	EMMA MARIE. Clear violet rose with creamy white center on perfect stem. A wonderful cut-flower variety	.50
ANDREAS HOFER. A delicate pink suffused salmon. Cream center. Curled petals, wiry stem. Very free	.50	ETHEL M. Amaranth pink with white center and tips. Habit and stem perfect	.25
ATTRACTION. Large, full flower, of a clear lilac-rose	.50	FARNCOT. Aster purple, tipped white	.50
BALLET GIRL. A very attractive dahlia, orange and white. Free blooming, flowers large	.25	FORT MONMOUTH. The Giant of this class. Rich crimson maroon with a violet shading of tips, standing tall and strong above its fellows, it attracts instant attention. A wonderful dahlia	1.00
BETTY AUSTIN. Rosy carmine, shading yellow at base and tips of petals, on stiff, slender stem	.25	FRANCIS LOBDELL. One of the best bedding varieties, mallow pink, white center shading white at tips. Of good form and cane-like stem	.50
BIZARRE. Deep red, tipped white. Striking	.50	F. W. FELLOWS. This variety produces large blooms with narrow florets, flower stems wiry, color bright orange scarlet. Very free and one of the best	.50
CALIFORNIA BEAUTY. Good cut flower of deep buff	.50	GEORGE WALTERS. The most wonderful Garden Dahlia ever offered. Of exquisite coloring, being a bright salmon-pink, suffused with old gold	.25
CIGARETTE. Cream white, tipped, splashed or suffused burnt orange. Fine stem and keeper	.50	GLADYS SHERWOOD. A white hybrid cactus of fine form, held erect on good stem. The flowers are often 7 to 8 inches in diameter. A profuse bloomer	.50
CINDERELLA. A large incurving flower of fawn pink with tan center, on good stem	.50	GOLDEN HARVEST. An immense semi-cactus of pale yellow that made a sensation at the A.D.S. show in New York. Strong growth and stems	2.50
DADDY BUTLER. Rosy carmine, with lighter reverse	.50		
DOROTHY DURNBAUGH. Deep rich pink, of fine form and habit, with strong stem, one of the best cactus dahlias we ever grew	.50		
EAGLE ROCK FANTASY. A regal dahlia, that can be grown to 12 inches and more. Glorious orchid pink on 36-inch stems, stiff and wiry. Finest exhibition variety in this color	6.00		
EAGLE ROCK WONDER. Orange buff tinted coral pink. Size and perfection of form A-1. Very tall, free, and stems perfect	2.00		

	Each
GOLDEN WEST. One of the very best of its type. Has extra long stems, graceful and wiry. Old gold .....	.25
ISLAM PATROL. A very showy and distinct variety, of dark scarlet, tipped and flushed with gold .....	.50
JEAN CHAZOT. Golden bronze, suffused nasturtium red. One of the best importations in years .....	.25
JEAN HARE. A gorgeous golden yellow turning into apricot buff and bronze. Large on strong stems .....	.50
JEAN TRIMBEE. A glowing petunia violet of immense size and vigor. This variety was a constant winner during 1931 and 1932	3.00
J. H. JACKSON. Crimson maroon .....	.25
KALIF. A monster cactus of perfect form. Color is a rich, pure scarlet, borne on long, stiff stems .....	.25
LA FAVORITA. A novel shading from reddish salmon center to salmon pink, twisted points. Long stem .....	.25
LORNA SLOCOMBE. Brilliant orange shaded apricot. One of the flashiest flowers in the garden. Excellent	1.00
MANDALAY. Tawny gold, lightening to amber center, dusted bronze. Bizarre but beautiful. Good stem .....	.50
MARGUERITE BOUCHON. Deep pink with white center. Always a favorite for its grace .....	.50
MARIPOSA. Violet pink, deeper in center. This is a prolific bloomer on long, strong stem .....	.50
MELODY. One of the most distinct, color clear yellow for half the length of florets, balance pure white .....	.25
MRS. ETHEL F. T. SMITH. Creamy white shading to sulphur center. Very large, on good stem .....	.50
MRS. MARGARET STREDWICK. Soft pink, deeper at tips and base. Incurved, large and vigorous .....	.50
NIBELUNGENHORT. Large, broad petaled, more or less twisted, a beautiful shade of old rose, tinged golden apricot. Very free and fine cut flower .....	.25
ORIENTAL BEAUTY. A brilliant rose pink of grace and perfection of form. Large, on perfect stem, high above beautiful foliage. Winner of Home Sweepstakes medal 1928	1.00

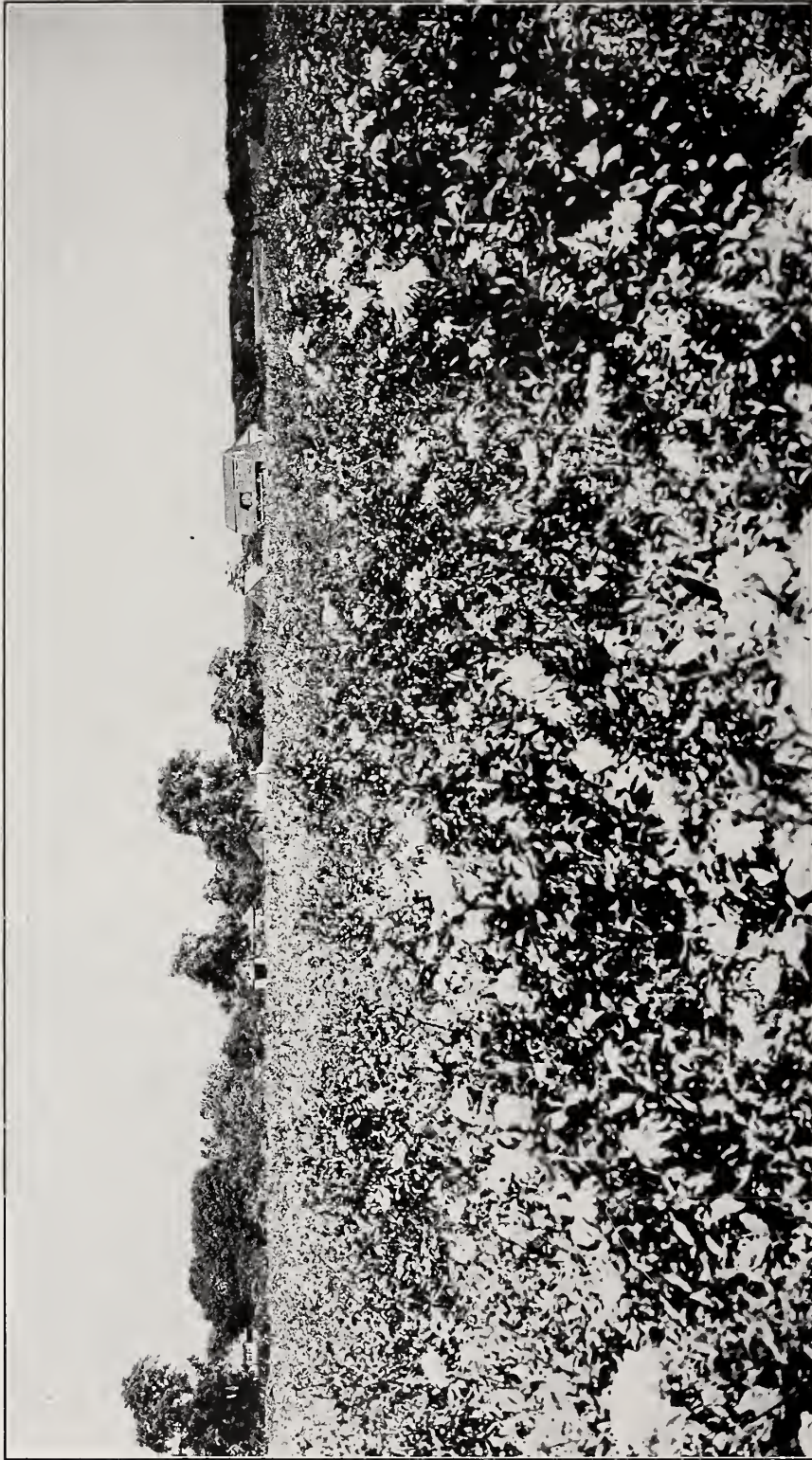
	Each
PAPILLON. A fine exhibition variety of old rose on good stem. Early and constant bloomer .....	.50
PARADISE. Creamy old rose, suffused gold. A large deep flower of a new coloring, on very good stem .....	.50
PIERROT. The color is deep amber, each petal boldly dipped white. Unique flower and if disbudded, huge .....	.25
RED CROSS. A beautiful combination of red and yellow. It is a very strong grower, and flowers freely on long, strong stems .....	.50
RHEINSCHER FROHSINN. This is a large incurving flower, white at base, changing to carmine rose .....	.50
ROBERT E. LEE. One of the best reds. Of good form, erect stem, vigorous growth, and brilliant color	1.50
ROYCROFT. Cinnamon buff and russet. Very free bloomer with strong stems .....	.50
RUDY VALLEE. A show worthy the great showman it is named after. This giant semi-cactus, chrome yellow and copper in the bud, expands into a gorgeous mat of grenadine orange red when full, beautiful and odd. strong stems and vigorous	3.50
SCARAMOUCHE. This is a very fine American cactus on a long, strong stem, and is a good cutter, and keeper. Nopal red, shading lighter at tips .....	.50
SILVERADO. White, shaded silvery lavender. Very free. The immense feathery blooms are held erect by very long, strong stems on tall, healthy bushes, and always attract great attention .....	.75
SILVERHILL PARK. A grand white, massive in size, and beautifully incurved. Good stem .....	.50
SISKIYOU. Mauve pink of immense size on strong stems	1.00
SUN MAID. A gorgeous blending of orange and gold on ideal stem. Flowers very large, of great depth, and all in all a variety that has few peers .....	.75
VICAR OF WASPERTON. Base of petals a beautiful pink with overlay of yellow, edging off to a delicate cameo pink, center a charming primrose yellow. Ideal for exhibition purposes, the florets long, tightly quilled, and beautifully incurved	1.00
ZANTE. Fine exhibition and cutting variety of gold, heavily suffused with apricot, on a perfect stem .....	.50

Singles

	Each
AMI BARILLET. Crimson scarlet with bronze foliage. A gorgeous border variety .....	.50
ANEMONE. A fine white and very profuse bloomer .....	.50
FUGI SAN. (English Single). Bronzy yellow with crimson ring. Perfect and scarce	1.00
GOLDEN GLOW. A beautiful flower of autumn gold and terra cotta .....	.50
ISABELI.A. White, speckled and striped crimson .....	.25
LADY ALLA (Duplex). Very showy scarlet. A great favorite and good cut flower .....	.50
MERRY WIDOW. Gigantic flower of deep scarlet .....	.25
MOTHER O'MINE. Large white duplex on fine stem .....	.50
MRS. CREEVY. A golden buff beauty, unequalled for decorative effect as a cut flower .....	.50
MRS. JOS. LUCAS. Large salmon and yellow, rounded petals .....	.50
NEWPORT ANGEL. An extremely large pointed petalled single with extra long stems. Pure white	1.00
NEWPORT TRIUMPH. A combination of autumn shades and salmon, very large	1.00
NEWPORT WONDER. Very large salmon rose pink, pointed petals. Wonderful keeper for exhibition	1.00
NEW SCARLET CENTURY. Large orange scarlet on long, strong stems .....	.50
ORANGE POINSETTA. A very attractive orange red duplex. Fine keeper .....	.50
PARABLE. Purple, tipped white. Very effective .....	.50
PINK CENTURY. The largest of this class. Rose pink .....	.25
PURITY. Very large waxy white. Tall plant. Effective for garden display and splendid for cutting	1.00
SCARLET CENTURY. Large rich scarlet .....	.50
SCARLET LADY. Beautiful long stemmed flower medium size, of soft scarlet. Perfect shape for exhibition	1.00
SPANISH GIRL. Bright crimson red and yellow. Attractive color combination .....	.50
SUNSET GLOW. A clear yellow petal with a faint blush of rose. Extremely beautiful for table decoration .....	.75
TANGO CENTURY. One of the very best singles for any purpose. Large bright orange and gold. Desirable .....	.50



"When Winter comes,
Spring is not far behind."



The Field of a Million Blooms

Decorative Dahlias

	Each		Each
AGINCOURT. A very large decorative of velvety maroon bronze, brightened on outer petals with purple garnet. A robust grower with perfect stem .....	.50	D. M. MOORE. Dark maroon, almost black. Still one of the best of the older varieties, and hard to beat in the darkest shades .....	.25
ALEX WALDIE. Cream, overlaid delicate pink .....	.25	DONNA CALIFORNIA. A splendid exhibition variety of deep rose suffused lavender on perfect stems	2.00
ALTA NEVADA. A magnificent Inf. Decorative of deep rose blended with glowing tangerine on very long, wiry but strong, stems. This dahlia is a delight in both garden and vase	3.00	DORIS CANNEY. A rich golden apricot of large size and great depth on strong stem, well above attractive dark green foliage	1.00
AMULET. Jasper red, suffused salmon. Very good .....	.50	EAGLE ROCK BEAUTY. Charming flower in pink and cream with every desirable quality. Vigorous and free with good stem	1.00
AMUN RA. "The Sun God," and worthy the name. Copper and burnt orange, deepening in center to reddish brown, on wonderful stem .....	.50	EAGLE ROCK FANTASY. An exquisite mallow pink that proved one of last year's best introductions. A giant in diameter and depth, on strong stems, with beautiful foliage, it is supreme in garden or show room	5.00
ANTARTICA. A pure white, very large, very free, of excellent habit of growth. Rugged, sturdy, on long strong stems. Fine for exhibition or cut flowers	1.50	EARLE WILLIAMS. Crimson and white. Good .....	.50
AZTEC GLORY. An immense picric yellow that is one of the most gorgeous flowers in the garden, as well as a certain winner at any show. Largest bloom at Madison Square Garden	1.00	EASTERN STAR. Saffron, shaded old gold. A full centered flower of good keeping qualities on stiff stem .....	.75
BARBARA REDFERN. A blending of old rose and gold, suffused salmon. A beautiful flower on strong stem .....	.50	EL DORADO. An immense bloom of pure gold with deeper center. Exceptionally fine variety .....	.25
BERENGARIA. A splendid orange and gold cutting variety, on perfect stem	1.00	ELITE GLORY. A massive bright red, on fine stem. In largest flower class, and of vigorous constitution .....	.75
BETTY IVINS. Salmon with golden sheen and rose reverse. Large, perfect stem, strong healthy foliage	1.00	ELIZA CLARK BULL. A splendid white, large, with good depth, on strong stem. Good exhibition variety	1.00
BIG CHIEF. One of the "Largest Class" exhibition type. Rich autumn shades, salmon buff predominating	1.50	ELIZA LONDON SHEPARD. This is one of the most attractive dahlias. Bright gold and apricot gorgeously blended, profusely borne on long, stiff stems	1.00
BIRD OF PARADISE. A nice medium sized flower of deep red tipped white. Good for cutting	1.00	ELKRIDGE. A splendid white of vigorous constitution, the texture of petals unequalled by any dahlia we know. An especially good keeper .....	.50
BLUE LADY. Bluish lavender with no pink shading. Robust grower on stiff stem .....	.35	ELLINOR VANDERVEER. An exquisite dahlia of great size and depth on the very best of stems. Early and profuse of bloom. A rich, satiny rose-pink .....	.25
BRUSHWOOD BOY. A large autumn colored flower on the longest and strongest stems of any we have grown. Salmon bronze striped a golden brown	1.50	E. T. BEDFORD. Purple, shading lighter. A profuse bloomer of very large flowers .....	.50
BUCKEYE BRIDE. A fine glowing pink seedling of Jersey's Beauty. A tall grower on very good, long stems	2.50	FAITH GARIBALDI. A deep rose decorative of great substance and perfect formation on fine stem. Splendid keeper and hard to beat for size .....	.50
BUTTERFLY. Cream center deepening to salmon pink. Fine cut flower variety .....	.25	FAITH SLOCOMBE. Pure apricot, shaded salmon rose, early and free, large, on good stem .....	.25
CALVIN COOLIDGE, JR. Rich rose pink suffused salmon, with fine stems. Vigorous and profuse .....	.50	FLORENCE FINGER. A wonderful lavender-pink on perfect stem. The ideal cut flower .....	.25
CAPE HENLOPEN LIGHT. A creamy yellow of immense size that shows well in the garden or on the bench. Good stem and foliage and prolific bloomer	3.00	FORDHOOK GOLDAREST. Salmon pink brightened with red with rich yellow center. Free flowering on good stems .....	.50
CAPTAIN COSTE. A fine exhibition flower of clear empire yellow. A vigorous grower of robust foliage and very strong stem	5.00	FORT WASHINGTON. Dark maroon. A large flower on strong stem. Plant is tall and of robust growth	1.00
CAPT. JOHN. A pure gold decorative-paeony that has been a sensation several seasons at Bronx Park. Its sturdiness and stem is unsurpassed, and the immense blooms gleam with a sheen dusted on by the sun itself. Captain Howell's finest seedling .....	.75	FRANCIS LAROCCO. One of the best yellows for all purposes. Large, vigorous, prolific, and good stems .....	.50
CARUSO. Rich amber with yellow center and bronze reverse, on very long, strong stem .....	.50	GALLI CURCI. Very large golden bronze	1.00
CHAMPAGNE. A wonderful flower of dull gold chamois. A magnificent variety .....	.50	GAY MORNING. A fine Decorative of salmon buff, large and good stem. One we recommend	2.00
CHARLES STRATTON. A fluffy blending of pale gold and old rose on strong stems. Fine exhibition variety .....	.50	GERTRUDE BRINTON. A fine spectrum red on perfect stem that is highly recommended .....	.50
CHEMAR'S EUREKA. A pure white seedling of Jersey's Beauty with all the parent's good points. One of the best whites	1.00	GIANT RUBY. Vivid red, very large and full .....	.50
CHEMAR'S U. S. A. Apricot and buff suffused gold. Full, deep and large on perfect stems. Healthy and sturdy .....	.75	GLORIOUS BETTY. A beautifully formed flower of velvety crimson, edged gold, with a gold reverse, on a perfect stem, that holds the flower high above the attractive foliage. A fine flower for cutting	2.00
CHEMAR'S 2406. A ruby fuchsia with glowing sheen. Vigorous and strong on good stems .....	.50	GOOD NIGHT. Oxblood deepening to maroon. Very dark flower of great size on strong stems. Foliage glossy dark green	2.00
CITY OF TRENTON. An autumn colored dahlia. Glowing tangerine with crushed strawberry reverse	1.00	GOLDEN HARVEST. A striking variety of sulphur yellow that looks like a giant Chrysanthemum, on good stem. This is a consistent winner, and captured First in strongest competition at Atlantic City	3.00
CLANSMAN. Free flowering, strong, of bright orange, on good stems .....	.50	GOVERNOR F. D. ROOSEVELT. One of the best reds for cutting. A vigorous grower on splendid stems	2.00
CLEMENTINA WING. The best red cut flower in the world. Bright crimson, on very long, strong stem .....	.50	GRACE CURLING. A glorious flower of white base changing to pink and rose. This imported beauty is novel and new, and its large size, notched broad petals, freedom of bloom and healthy growth should make it a general favorite. Highly recommended	2.00
COLOR SERGEANT. A very bright salmon bronze of husky growth on perfect stems. Good for exhibition and cutting	1.00	GRACE RICORDS. White, faintly suffused lavender, on good stems. A good exhibition variety if well grown .....	.50
COPPER KING. Copper and gold. A very large, deep flower on perfect stem, and one of the most brilliant varieties yet produced .....	.50	GRACE SHERMAN. Light pink overlaid with golden yellow. Fine stem and very attractive .....	.50
COQUETTE. Velvety Musketeer red shaded and tipped gold. Robust grower on strong stems, with leathery dark green foliage. An impressive exhibition variety	1.00	GRAF ZEPPELIN. A large white on long stiff stems that hold the flowers regally above any in our gardens. On Roll of Honor	1.50
COURONNE D'OR. The perfect dahlia. A golden apricot beauty with light rose reverse on the very best stem .....	.50	GRENADIER. A unique flower of great size and depth, with quilled petals of maroon purple, reverse silver. Very free. Stems long	1.00

	Each
HATHOR. One senses Egyptian jazz in this flaming lady. A near-perfect dahlia of soleil couchant in which all the autumn colors blend. Stem and growth all that could be desired. A superb cut flower	.50
HAWAIIAN NIGHTS. An immense informal decorative. Intense scarlet suffused orange, with gold striped reverse. A 12-inch flower on stiff stem, with divided foliage that makes the plant a garden marvel	1.50
HORTULANUS FIET. Salmon exquisitely blending to yellow at the center	.50
IDA PERKINS. A very large deep white on perfect stem	1.00
INSULINDE. Colossal flowers of a rich golden orange. Form of flower everything that could be desired. Admirable for cutting and exhibition	.50
JACQUELINE DARNELL. Informal Decorative of wonderful charm, at base deep buttercup yellow, all petals shaded and tipped rose. Very large flower on long stem, and splendid keeper when cut	.50
JANE COWL. An immense flower of buff and old gold blending with salmon on perfect stem	.50
JEANETTE SELINGER. A deep flower of glowing maroon, twisting and showing a lighter reverse. The blooms are often 10 inches across, on long stiff stems well above beautiful foliage. Scored 87 at Storrs	1.00
JERSEY'S BEAUTY. Fine pink on very long stiff stem. The One Best dahlia of all time	.25
JERSEY'S BEACON. Chinese scarlet with lighter reverse. Very large on good stem	.25
JERSEY'S TRIUMPH. The winner of the gold medal at Aalsmeer, Holland. To win the Gold medal at the trial grounds there is a distinct triumph, but this gorgeous exhibition and cut flower combined deserves the honor. A seedling from the parents of the world's most popular dahlia, Jersey's Beauty, and its exact type in glistening copper, salmon, bronze. A perfect dahlia	1.00
JESSIE K. PRESCOTT. Deep orange, shading lighter on outer petals. Fine stem	.50
JUDGE MAREAN. A well-known exhibition variety; it is a beautiful combination of colors, salmon pink, orange and gold. A fine grower and free bloomer	.50
KATHERINE COLE. Winner of the Darnell Cup in 1929, and continuous winner since. A beautiful flower of pink and cream on very long stems, with a heavy dark green foliage	1.50
KATHLEEN NORRIS. The finest pink exhibition dahlia we know. A large deep flower of rose deepening to mallow pink with lighter center, on good stem above dark green foliage	1.50
KING MIDAS. A gorgeous golden yellow decorative. Splendid exhibition variety on perfect stem	1.00
KENTUCKY. A sport of Jersey's Beauty. Light salmon shading orange with grenadine outer petals. Good	1.00
KING TUT. Glowing crimson burgundy, darkening in center. This is a vigorous variety on splendid stem	.50
KITTY DUNLAP. An excellent cutter of the American Beauty Rose in color, on fine stem	.35
LAVENDER GEM. Pure lavender of fine formation and good stem. A large deep flower. Excellent	1.00
LE GRAND MANITOU. Enormous bloom, white, striped and blotched with deep purple	.25
LE GROS BETE. A dark cerise of immense size. Good	.50
LE TOREADOR. A glowing crimson on good stem	.50
LILLIAN BALDWIN. A perfectly formed decorative of crushed strawberry and deep rose, on an excellent stem. Twice winner of Darnell Cup for best keeping variety at A. D. S. Show in New York 1926-27	1.00
LOUISE PARSONS. A pure gold beauty on a wonderful stem, the cut flowers are in great demand	1.00
MARGARET MASSON. A silvery lavender-pink of great size, fine stem and real substance	.50
MARGARET WOODROW WILSON. A fine deep flower of cream suffused with lavender pink	.50
MARMION. Golden yellow edged bronze, with deeper center. An enormous flower on good stem, and very free. This is one of the finest dahlias, sensational in the garden, in the vase, and in the show room	.50
M. H. de YOUNG. Old gold on perfect stem	.75
MILLIONAIRE. The color of this variety is a dainty lavender with a pink sheen overcast and shading to white in the center. The flower is immense in size	.25
MISS CALIFORNIA. Oriental fuchsia, excellent for exhibition or cutting	.50

	Each
MONMOUTH CHAMPION. One of the wonders of 1930. A gigantic flower, strong grower, perfect stem, wonderful keeper. A brilliant orange flame that stands out in the garden like a gorgeous sunset in the sky	1.50
MORDELLA. Apricot buff. A beautiful, large flower on long, wiry stem	1.00
MR. C. H. DRESSELHUYTS. Soft rose pink suffused white on splendid stem. The best cutter of its color	.50
MR. CROWLEY. Yellow base glowing into salmon pink on good stem. Good garden and cutting variety	.50
MRS. ALFRED B. SEAL. A glowing old rose with the texture of the rose. Huge, of great depth, and a tall grower on strong stem. Fine habits and dark green foliage	1.00
MRS. ATHERTON. A robust grower with mammoth bloom on strong stem. The best in yellows	.50
MRS. CARL SALBACH. A large flower of marshmallow pink, light in the center, every petal outlined with a deep mauve. The stems are long and strong	.50
MRS. L. DE VER WARNER. Deep mauve pink, some might describe it as a cattleya color. Splendid for exhibition and garden and as a cut flower variety	.25
MRS. ROSE K. DARNELL. A glorious flower of luminous old rose and salmon	.50
MURPHY'S MASTERPIECE. An immense dark red shading garnet that will win for size and beauty in any show. This giant has won first wherever shown and is the leading Honor Roll dahlia. Buy a plant of this variety \$5.00. Tuber	10.00
MY COUNTRY. A low growing, husky plant with good stem and large flowers of garnet tipped and edged white. Bizarre and beautiful	1.00
MYRA VALENTINE. A golden bronze flower on remarkable stem. Absolutely best of its color	.50
NOBILIS. White, tipped red	.50
OUR COUNTRY. A very attractive bicolored dahlia of deep purple, tipped white. Large exhibition variety	.50
OYSTER BAY BEAUTY. Very large mahogany red	.50
PATRICK O'MARA. An unusually soft and pleasing shade of orange buff, slightly tinged with rose. One of the most lasting cut flower dahlias.	.50
PAUL MICHAEL. An exhibition variety of bright apricot, shaded bronze. Good stem, very large	.50
PERFECT BEAUTY. Bright scarlet, tipped white. Large and attractive. Exhibition variety	.50
PHYLLIS SHAW. Apricot orange with jasper red reverse. A robust grower with large flowers on strong stems above heavy glossy green foliage	3.00
PRESIDENT WILSON. Carmine red tipped white. A striking flower of good size and form	1.00
PRIDE OF CALIFORNIA. Red, of good form. Flowers freely on long stems well above the foliage	.25
PROXIE. Velvety crimson on splendid stem. A fine red	1.00
QUEEN OF THE GARDEN BEAUTIFUL. A massive primrose yellow	.75
RADIO. A huge red and yellow on perfect stem, hard to beat at any exhibition. Very attractive	.50
RED SOX. A bright crimson of exhibition type on good stem. Very large and prolific	1.50
REGAL. The giant among autumn shaded dahlias. Bronze suffused old gold with pure gold base. Pinch back when first buds appear and the later flowers will have strong, long stems	1.00
ROBERT TREAT. American Beauty rose, one of the largest we grow, and in spite of the size and depth is held well aloft on good, strong stem	.50
ROOKWOOD. A cerise rose, fine formation, good stem, free flowering and dwarf	.50
ROMAN EAGLE. A magnificent burst of autumn flame. Brilliant, burnished copper blooms of great size, held erect above luminous green foliage	.50
RORY O'MORE. Deep maroon, tipped white, on stiff stem. Very free	1.00
ROSA NELL. The color is a clear bright rose, the flowers large, coming perfectly full and double until frost; good stems and habit; color is a rare one in dahlias	.50
ROSE FALLON. Amber, russet, bronze and salmon. Large on good stems. Won Darnell Cup 1930	.50
RUTH CAVALIER. A deep rose pink with cream center. Large and good stems, about 3½ feet height, and very free	1.00
SAGAMORE. Amber gold, shaded slightly with orange buff in center. Strong variety on fine stem, and one of the best cutters produced to date	.25

	Each
SALBACH'S WHITE. A superb waxy white on perfect stem	1.00
SANHICAN'S BEAUTY. An exhibition dahlia that is very good for cutting. Free bloomer on fine stem with heavy dark green foliage. A pink that is a duplication of the Mme. Edouard Herriot rose	1.00
SANHICAN'S QUEEN. A large flower of strong growth, bronzy apricot brushed carmine in heart. Good foliage and stem .....	.75
SANHICAN'S ROSE. An artistic petaled rose pink on excellent stem. Not large, but near perfection .....	.50
SEAL'S CALIFORNIAN. A bright golden yellow shading lighter at tips, and then tinged with rosy pink. Large on canelike stems	1.00
SCARLET DAWN. A brilliant scarlet of great size and depth that stands out like a beacon in the garden. The foliage is robust and stems strong as a cane. Fine for exhibition and cutting	5.00
SHUDOW'S LAVENDER. Silvery lavender, shading to white in center. The long stem carries the flower well above beautiful foliage .....	.50
SPOTSWOOD BEAUTY. Clear Chatenay pink shading yellow at base. A large beautiful flower on perfect stem, towering above the rest of the dahlias	1.50
SUSAN COE. Yellow, suffused salmon and rose pink. A very large flower on stiff stem .....	.50
SYLVIA DICKEY. Large flowers of phlox pink on perfect stems. A fine cut flower variety .....	.50
TARRYTOWN. Another fine exhibition variety of bronze darkening at edges. Large, good stems, strong grower	2.00
THE GRIZZLY. Immense velvety maroon blooms of finest formation, with reflexed petals. Long, strong stems .....	.50
THE LEMONADE. Pale lemon of splendid form on strong stem. Very attractive flower	1.00
THE SUNRISE TRAIL. A glorious flower of large size on perfect stem. The main coloring is scarlet, suffused geranium lake, edged and tipped with cadmium yellow	1.00
THE WORLD. Deep rosy magenta overlaid violet shading silver at edge of petals. Free on good stems. Low grower	1.00
THOMAS HAY. A giant of clear lilac, deep and full, on perfect stems. Very free .....	.50

Show Dahlias

	Each
A. D. LIVONI. Sea shell pink, good cutter .....	.25
CLARA SEATON. An enormous flower of rich golden bronze or apricot. Very attractive and beautiful .....	.50
DREER'S WHITE. An excellent dahlia for garden effect. Plants strong and vigorous. Color a pure white .....	.25
DREER'S YELLOW. A beautiful dahlia, stems long and straight. The flowers form a sulphur ball .....	.50
EMILY. White and lavender .....	.25
FLORENCE. A beautiful pink, splendid stem	1.00
GENERAL MILES. Light violet striped and splashed with purplish magenta. The best variegated Show .....	.50
GOLD MEDAL. Canary yellow, striped and flaked red .....	.50
GOLDEN OPPORTUNITY. Burnt orange lightening out to buttercup yellow .....	.75
KING OF SHOWS. A deep buttercup yellow. A perfect flower of fine stem .....	.50
MAUDE ADAMS. White, effectively overlaid delicate pink. Undoubtedly one of the finest of the type .....	.25
MRS. J. P. SMITH. A vivid cherry blush over a rich crimson. The largest show dahlia. Introduced by us 10 years ago and still the best red Show in the world .....	.35
NORTH CAROLINA. A Pomegranate purple, with pansy purple center. A fine addition to this class .....	.50
SILVA QUARTA. A giant hybrid show of deep lavender, shaded mauve. One of the best for exhibition, with good stem	1.00
SUPT. AMRHYN. Clear rose pink. Extra fine and good keeper when cut .....	.50
W. W. RAWSON. Pure white overlaid with amethyst blue. This wonderful combination gives it the appearance of delicate lavender .....	.50
YUBAN. A fine tan, striped and speckled red .....	.50

	Each
THOMAS A. EDISON. Royal purple of great beauty. Of staghorn formation on canelike stems, with insect-proof foliage	1.50
TOMMY ATKINS. Flaming scarlet. A brilliant variety standing tall on perfect stem .....	.75
TREASURE ISLAND. Apricot and gold with rose suffusion, strong stem, and fine for exhibition .....	.75
TRENTONIAN. A superb blending of old gold, amber, copper and reddish bronze, allied to perfect stem and a real bigness, makes this fine variety ideal for both garden and exhibition .....	.50
TUSITALA. Old rose, flushed and tipped with rosy salmon. Good stem and splendid cut flower .....	.50
VALENTINO. Creamy salmon shaded rose pink on very strong stems. A very attractive combination of colorings	1.00
VOGUE. A fine cut flower of bright salmon. Free, of medium size on perfect stem. A bouquet in the garden	1.00
WALKOVER PRINCE. A giant in diameter and depth of mahogany red and gold on strong stem. Very vigorous and low grower	1.50
WANDA MILLER. Purple tipped white. Large and free on straight stem	1.00
WATCHUNG SUNRISE. An immense ball of golden yellow deepening to amaranth on very strong stem	1.00
WILLIAM H. HOGAN. Garnet red tipped white. A beautiful bi-color that is always true, with perfect stem and formation	1.00
WINFIELD SLOCOMBE. Golden buff with darker center on good stem .....	.50
WIZARD OF OZ. Amber pink on good stem .....	.50
WORLD'S BEST WHITE. The largest of the white varieties. Cream white with ivory center. Good	1.00
YANKEE KING. Rich coppery old gold of good size and perfect stem .....	.75
YANKEE QUEEN. This is a beautiful flower of true pink without a trace of lavender, lighter in heart of it. Sturdy, floriferous, fine strong stem	1.00
YORK & LANCASTER. The War of the Roses in name and color. A big, beautiful flower of crimson tipped white, on strong stem	2.00
YELLOW PRINCESS. An extra large, clear yellow on fine stem. A vigorous grower and free bloomer	1.00

Collarette Dahlias

	Each
AMI NONIN. Old rose, lighter collar .....	.50
ABBE HUGONARD. Purple, petals edged white and white collar. Very large, with strong stems .....	.75
BARBARA. Orange crimson suffused gold with yellow collar .....	.50
BELLE. Huge scarlet with gold collar	1.00
CREAM CUP. Large creamy white, slightly cup-shaped. White collar. A beautiful flower .....	.50
EUGENE LEFEVRE. Royal purple, large, on stiff stem ..	.50
FILIE. Very large flower of buttercup yellow with paler collar. Beautiful	1.00
GEANT DE LYON. Maroon with white collar .....	.50
HERALD. Rich rose pink with white collar. Fine for cutting or exhibition .....	.50
JOHN BULL. Red with white collar .....	.25
LADY PHAYRE. Chamois suffused henna and crimson. Cream collar	1.00
MAURICE RIVOIRE. Red, with white collar .....	.25
MERCEDES ANN. Dark maroon, cream collar .....	.50
SILVER MEDAL. Beautiful crimson-maroon, each petal outlined in white, and white collar .....	.50
SAN MATEO STAR. The largest in this class, and the most impressive. Cerise edged white, white collar .....	.75
SOUV. BEL ACCUEL. Orange-red with a yellow collar. One of the largest and most beautiful .....	.50
SWALLOW. Pure white on long stems .....	.25
VIRGINIA LEE. Carmine with sulphur edge, with pale yellow collar .....	.25
WM. WELSH. Cream yellow .....	.50
ZOUAVE. Orange red, yellow collar .....	.50

The Pompon or Bouquet Dahlia

	Each		Each
ACHILLES (Peacock). A dainty lavender pink	.35	DONOVAN (West). White lavender	.50
ADELAIDE (West). Blush, edged lavender	.25	DORIS (Keynes). Cream. Compact and charming	.75
ADMIRAL DOT (Lane). White, tinged lavender	.25	DOT (Maytrott). A good white	.50
ADRIENNE (Turner). Scarlet tipped gold. Good	.50	DOUGLAS (Turner). Dark maroon	.50
ACE OF DIAMONDS (Keynes). Bright scarlet	.35	DOUGLAS TUCKER (Keynes). Golden yellow with	
AIMEE (Boston). Bronze	.25	crimson center	.50
ALEC (West). Reddish cerise, tipped lighter	.35	DR. HIRSCHBRUN (Nonne & Hoepker). Soft lilac	
ALEWINE (Cannell). White suffused lavender pink	.25	rose. Lovely garden variety	.50
ALICE ROCKWOOD (H. Turner). Old rose. Large	.25	DR. JIM (West). Purple, shaded white	.25
AMBER QUEEN (Seale). Amber, shaded apricot	.25	DUSKY BABE (Lee). Small, rich crimson	.25
AMBER RED TIP. Name and color identical. Good	.25	EDGAR. Deep cream tinged lemon. Fine stems	.50
AMELIA (Keynes). Lavender pink. Large	.25	EDITH BRYANT (Keynes). Yellow, shaded reddish	
ANITA (Boston). Deep old rose. Good for cutting	.50	bronze	.25
ANNA CHRISTINA. Golden yellow with bronzy center	.50	EILEEN (Keynes). Cream ground tipped lilac	1.00
ANNIE DONCASTER (West). Yellow base, suffused		ELAINE (Seale). Ivory white	.50
pearly pink	.50	ELEGANTA (Peacock). Mauve pink	.25
ANNA VON SCHWERIN (Kirchner). Beautiful shell		ELFIN (Burrell). Pale primrose	.50
pink with white eye	.50	ELIZABETH (Boston). Golden yellow, edged brownish	
ARIEL (Austin). Buff, tinted orange. Splendid cutter	.25	red. A very fine variety	.25
ARTHUR (Boston). Brilliant scarlet. Small and well		EMILY HOPPER (Ware). A very good yellow	.50
formed	.50	ERNEST HARPER (Seale). Coral red	.50
ARTHUR WEST (West). Dark crimson	.35	EUNICE (Cheal). White, with lavender edge; good	.25
ARTHUR KERLEY (Williams). Rich cherry red	.25	EUREKA. Bronze, carmine tips splashed white	.25
ATOM (Boston). A tiny orange of perfect form	.50	EURYDICE (Keynes). Blush tipped purple	.50
BABBETTE (Vavra). Lemon tipped grenadine	.25	FAIRY QUEEN (West). Sulphur yellow edged coral	.25
BABY (Boston). A tiny yellow tinted red.	.50	FASCINATION (Alexander). White suffused pink	.25
BABY EVELYN (Ray). Pale rosy salmon	.35	FASHION (Keynes). Orange	.25
BABY MARIE OSBORNE (H. Turner). A fine yellow	.50	FLAME (Spacher). Bright orange scarlet	.50
BARBARA PURVIS (Keynes). A fine white	.50	FRANKIE (Radford). Golden apricot tipped crimson	.25
BACCHUS (Keynes). Bright scarlet	.25	FRAU DR. KNABBE (Goos). High built bloom of	
BANTAM (Hennig). Small dainty flower of brownish		flesh pink	.25
red. Good	.50	GANYMEDE (Turner). A beautiful shade of fawn	.25
BEBE. Pinkish mauve on white ground. Free and good	.35	GENE (Boston). Light gold with brown-eyed center	.25
BEILE OF SPRINGFIELD. Red, very small	.35	GEORGE IRELAND (West). A dainty mauve	.25
BERNICE. Dark gold and rose	.25	GEORGIANNA (Wood). Yellow edged brownish red	.25
BETTY MOORE (Seal). A nicely formed flower in		GERTRUDE (Salbach). A fine crimson	.25
Autumn's dress on good stem	.25	GIRLIE (West). Pinkish mauve	.25
BILLIE (Boston). Rich dark crimson	.50	GLAUSSEE. Very bright orange	.25
BILLIE TEECE. Old gold edged apricot. Fine stems	.35	GLOW (Cheal). Salmon-cerise. A flame	.50
BILLY FLETCHER (Mulkey). Rose. Very small	.50	GOLDIE (Estes). Pure gold	.25
BLINK (Murphy). Dandy commercial variety. Light		GOLDEN QUEEN (Alexander). Rich yellow	.25
purple on fine stems. Large	.50	GOLDLOCKS (Seale). A pure gold	.25
BLUTROCHEN (N. & H.). Blood red lightened with a		GRAUS AUS WEIN (Cannell). Amber shaded cerise	.35
deep rose	.35	GRETCHEN HEINE (N & H.) Blush white, tipped rose	.35
BOB (Boston). Compact bloom, of dull red	.25	GUINEVERE (Brown). Salmon pink	.25
BOBBINETTE. Rose pink base, heavily margined		GYPSY (Boston). Yellow and red	.75
aster purple	.25	HAAKE'S GLOW (Haake). Small yellow tipped rose	.75
BOBBY (Brown). Deep plum. Extra free	.25	HARRY SNOOK (Keynes). Clear rosy pink. Fine	.25
BOB WHITE (Maytrott). White, cream center. Perfect	.50	HAZEL (Seale). Small, finely formed, of buff deepening	
BOULE DE NEIGE (Rivoire). White. Large	.35	to brown	.25
BRUNETTE (Baker). Crimson, showing white	.25	HAZEL DELL (Hodgens). Pink edged cerise. Good	.25
CANDY KID. Coral pink suffused lavender. Free	.25	HEDWIG POLLWIG (N. & H.) Red with white blotches	.25
CARDINAL (Seale). Intense fiery scarlet, long stem	.35	HEIDE (D. F.) Orange edged brown	.25
CATHERINE (Turner). Bright yellow, rather coarse	.25	HELEN ANITA (Feeny). Small lavender with white	
CENSOR (Keynes). Rich plum	.50	center	.50
CHAMMOIS ROESCHEN (Pape). Buff pink, shading		HELEN COTTRELL (Seal). Baby pink, large	.25
cream	.50	HELEN LAMBERT (Deegen). Fine yellow	.25
CHARMING (Seal). Lavender pink	.25	HENRIETTA (Stillman). Cream tipped crimson	.25
CHEERFULNESS (West). Gold tipped crimson	.35	HESPERIA (Turner). Deep yellow edged red	.35
CLARISSA (Turner). Primrose	.35	HIAWATHA (Brown). Deep maroon crimson	.50
CLEO (Boston). Yellow tipped red	.50	HIGHLAND MARY (Dobbie). Pink and white	.25
CODSALL GEM (Stillman). Rose red, tipped white	.25	HILDA SEARLE (D.F.) Large orange	.25
CORA MAY (Haake). Salmon pink lightening to prim-		HONEY. Pale yellow with faint suffusion of red at	
rose yellow with rose eve. A beauty	.50	edges. Very free and excellent stems	.50
CORSAIR (Brown). Buff ground tipped orange scarlet	.50	HYPATIA (Turner). Salmon pink	.50
CRIMSON QUEEN (Brown). Bright crimson	.25	IDEAL (West). Clear yellow	.25
CYBELE (Burrell). Rich, dark crimson maroon; per-		ISABEL (Seal). Ashes of roses. Long stem	.25
fectly formed	.25	JAZZ (Spacher). Raspberry red	.25
CYRIL (Keynes). Almost black. Small and fine	.50	JANET (Keynes). Brilliant salmon or saturnine red. A	
DAINTY (Keynes). White, shaded pink	.25	flame. Introduced 1888, still hard to beat	.25
DAISY (West). Amber salmon	.25	IANUS (Burrell). Crimson	.25
DANDY (Boston). Orange, very free	.50	IESSICA (Turner). Amber edged red	.25
DANNY. A small perfect orange	.25	JOAN. Small. Gold lightly edged reddish brown	.50
DARKEYE (West). White ground, tipped lavender	.25	JOE FETTE (Boston). A tiny white	.25
DARKEST OF ALL (West). Black maroon	.50	JOHNNIE (West). Maroon-crimson, beautifully formed	.50
DARKNESS (Keynes). Maroon, on long stem	.25	JOHNNIE PEPPIN (Haake). A fine dark crimson on	
DAYBREAK (Peacock). Light pink	.25	perfect stems	.50
DEE-DEE (Estes). A dainty witch in lavender	.25	JONKHEER VAN CITTERS (Kreist). Yellow tipped	
DELICACY (Brown, 1904). Pearl	.25	orange	.25
DENSITY (Stillman). A fine dark maroon	.25	JUDY (Vavra). Orange, ochre center	.25
DEWDROP (West). White with lavender tip	.25	JULIETTE. A fine commercial variety of glowing	
DIMPLES (Seal). Golden apricot, dark brown center	.25	orange, spotted white edged and blotched red	.50
DIXIE (Seal). Dark red on stiff stem	.50	KATHLEEN. Old rose. Very long stem	.50
DONALD GORDON. Burnt orange. Good	.50	KIM (Boston). Bright orange and a good cut flower	.25

	Each		Each
KITTY BARRET (West). Golden yellow edged reddish purple .....	.25	PANSY (Boston). Violet, or King Tut purple .....	.25
KLEINE DOMATA (N. & H.). Orange buff .....	.25	PATSY (Haake). Golden bronze, tipped cherry .....	.50
KLEINE GRETCHEN. Striking. White shaded and spotted crimson .....	.25	PEE WEE (Boston). Soft yellow shading to brown .....	.25
KUPFER (N. & H.). Old rose .....	.25	PEGGY ANN. Yellow shaded umber. Very fine .....	.50
LADDIE (Cheal). Light crimson shaded rose .....	.50	PHOEBE (Keynes). Deep orange. Fine commercial variety .....	.25
LARRY (Meussdorfer). Amber, cinnamon center .....	.50	PHYLLIS (Turner). Deep yellow, shaded and edged red; good .....	.50
LASSIE (West). Yellow tipped rose .....	.25	PIXY (Haake). Small yellow, edged Indian red .....	.50
LEDA BEELER (Hodgens). A fine exhibition lavender .....	.50	PRIDE (Alexander). Dark crimson scarlet; very perfect form .....	.25
LEOLA. A soft pink of perfect formation .....	.35	PRINCE CHARMING. Light lavender edged purple .....	.25
LIBBIE ROHR (Haake). Cerise purple. Good .....	.50	PRINCESS ROSINE (Brown). Salmon pink .....	.50
LILIAS (Hodgens). Cream ground heavily suffused pink, with a lilac sheen. Very beautiful .....	.25	PSYCHE (Brown). Orange, shaded pink; flat and large .....	.25
LITTLE BEAUTY (Kunzman). Shrimp pink .....	.25	PUMICE PRINCE. Dull red spotted white .....	.25
LITTLE BEESWINGS (West). Golden yellow, tipped cherry red .....	.50	PURE LOVE (Turner). Heliotrope .....	.25
LITTLE BELLE (Alexander). Clear mauve pink .....	.25	RAIDER (Cheal). A very fine primrose .....	.75
LITTLE BUGLER (West). Bright rosy purple .....	.50	RALPH. A tiny red of perfect form and stem .....	.50
LITTLE DAVID (Twitchett). Deep orange, small, of perfect shape, and one of the best .....	.25	RAPHAEL. Dark maroon, extra fine .....	.25
LITTLE DONALD (Keynes). Crimson scarlet. Perfect .....	.50	RED HEAD. A fine red .....	.25
LITTLE DOROTHY (Alexander). Cream splashed reddish orange .....	.25	RED INDIAN (Keynes). Deep coral red .....	.25
LITTLE DORRIT (West). Maroon purple .....	.50	REGULUS (Cheal). Cerise purple. Very good .....	.25
LITTLE EDITH. A wonderful exhibition pompon. Light yellow tipped bright carmine .....	.50	RENO (Boston). Old rose and gold .....	.50
LITTLE FRED (Ware). Rosy mauve .....	.50	RIVAL. A bright red. 2-inch. Good cutter and fine form .....	.25
LITTLE HERMAN (Saul). Red and white .....	.25	ROSA (Keynes). A charming flower of bluish lilac .....	.50
LITTLE IRENE. Good mauve on long stems. Good cutter .....	.25	ROSA WILMOTH. Deep rose pink .....	.25
LITTLE JEAN (H. Turner). Tan .....	.25	ROSEA (Keynes). Deep rose. Large, but good .....	.50
LITTLE JENNIE (West). Primrose, and very free .....	.25	ROSEBUD (Cheal). White ground, suffused rose .....	.25
LITTLE LLOYD. Burnt orange, lightening to amber .....	.50	ROSE MARIE (Meussdorfer). Rose with cream reverse .....	.50
LITTLE MARION. Salmon pink veined crimson, tipped amber .....	.35	SALAMANDER (Riding). Orange, tipped red .....	.50
LITTLE MARY (Seale). Dark crimson. Unbeatable .....	.75	SALLY. Straw flushed pink. Good .....	.25
LITTLE SWEETHEART (West). Red, tipped white .....	.25	SAMMY (Boston). Yellow, tipped brown .....	.25
LLOYD HICKMAN (Hodgens). Old rose. Long stems .....	.50	SAN TOY (Turner). White, heavily tipped carmine .....	.25
LOLITA. Golden yellow with red eye .....	.50	SARAH BERNHARDT (Darnell). Yellow tipped cerise .....	.50
LYDIA (Meussdorfer). Delicate orchid pink .....	.50	SCARLET GEM (Riding). Scarlet .....	.25
MACBETH (Keynes). White, edged pink .....	.50	SHINE (Murphy). Yellow with carmine tips. Good .....	.25
MADELINE (Woolman). Pale primrose, edged purple .....	.25	SKEEZIX (Archer). Old lavender .....	.25
MAJOR (Boston). Old rose shaded yellow .....	.50	SNOWCLAD (Burrell). A pure white ball .....	.25
MARGY (Haake). Very bright scarlet. New and good .....	.50	SPY (Alexander). Bright scarlet .....	.25
MARIETTA (Turner). Deep rosy crimson. Fine .....	.25	STOLZ von BERLIN (Nonne & Hoepker). Clear pink .....	.50
MAROON. Dark maroon of fine form, but large. Cutting variety .....	.25	SUNBEAM. Flaming crimson scarlet .....	.25
MARS (Turner). Bright scarlet .....	.25	SUNNY CAL. A perfect exhibition flower of glowing gold .....	.50
MARY (Boston). Pale mauve with lilac center .....	.25	SUNNY DAYBREAK (Keynes). Apricot edged red .....	.25
MARY CLIFT (Brown). Light maroon .....	.25	SUNSET (Keynes). A delightful orange .....	.25
MARY MUNNS (Haake). Fuchsia, long stem .....	.50	SUNSHINE (West). Geranium scarlet .....	.25
MICKY (Haake). Straw, tipped lavender .....	.50	SUZANNE (Haake). A very pretty lavender of unusual shade, on fine stem .....	.50
MIDGET (West). Salmon suffused lavender pink .....	.50	TAKA'S PURPLE. Bluish purple on long stem .....	.25
MIKE (Boston). A charming burnt orange .....	.50	THE FLAPPER. A bicolor of maroon, cream and pink .....	.25
MILDRED (Keynes). Peach blossom pink .....	.50	THORBE (Van Bourgondien). Yellow ground, shading lavender .....	.25
MONTAGUE WOOTEN (Turner). White, edged lake .....	.50	TINY TIM (Eldred). Soft peach pink, one of the best	1.00
MYRA. Canary tipped raspberry. Distinct .....	.75	TIP TOP (Jones). Rich crimson .....	.25
NANKY POO (Haake). Golden yellow with brown eye .....	.50	TITAN. One of the finest red pompons for any purpose. Brilliant in color, fine form, perfect stem .....	.50
NAUTILUS (D.F.). Rich apricot yellow center .....	.50	TOM (Boston). Neat little flower of bright yellow, tipped red .....	.50
NAVAJO (Vavra). Reddish maroon, good form .....	.25	TOM BORROWDALE (Cheal). Rose lavender .....	.50
NEATNESS (West). Pale salmon, cream center .....	.25	TOMMY KEITH (West). Cardinal tipped white .....	.25
NELLIE BROOMHEAD (West). Mauve on light ground .....	.25	TOM THUMB (Pelican). Garnet red. Small .....	.25
NELLIE FRASER (West). Light ground edged rose .....	.25	TOPSY. A nicely formed dark maroon .....	.50
NEMESIS. Dark maroon edged white. Good commercial variety .....	.50	TULLA (Brown). Wine crimson, wonderful bloomer .....	.25
NERISSA (Turner). Soft pink tinted silver. One of the finest and scarcest of pompons .....	.50	TY TEE (Haake). Rose, lightening to cream .....	.25
NORA REYNOLDS (Seale). Indian red. Small and neat .....	.50	VIVID (Turner). Bright orange scarlet .....	.25
OLETA (Boston). Soft Oriental red .....	.25	WEE GRACIE (West). Ivory white, faintly tipped lavender .....	.25
OLGA (Sheffield). A very good red .....	.25	WHISPER (Rawlings). Sulphur edged red .....	.25
ORA (Sheffield). Yellow base, tipped lavender .....	.25	WHITE ASTER. Pure white with notched petals .....	.25
ORANGE BOY (Stillman). Light orange, good cutter .....	.25	WINIFRED (Keynes). Small pale lavender .....	.25
		WINSOME (Darnell). Real pink. Smaller than Nerissa	1.00
		YELLOW GEM (McWhirter). Creamy yellow, small and fine form .....	.25
		ZOE (Turner). Yellow, occasionally tipped white .....	.25



The Gladiolus

	Each		Each
ALBANIA (Kemp). This is the most pleasing white variety we have yet seen. The flower is wide open, four inches and over in diameter; petals broad with well rounded tips and beautifully crimped edges .....	.05	LOS ANGELES (Houdyshel). Shrimp pink with orange carmine throat. The "cut and come again" Glad. One of the most useful for floral work. Delicate and pleasing .....	.05
ANNA EBERIUS (Diener). Rhodamine purple. Entirely self-color, except for deep amaranth purple blotch on lower petals. Brilliantly beautiful .....	.05	MAGIC (Vos). Finest lavender blue. Large rich purple throat blotches. Tall and stately .....	.05
BETTY DARNELL (Kemp). A seedling of Buttercup crossed with Pink Wonder and has the good qualities of both parents to recommend it. The color is a light canary yellow, shading to golden yellow in the throat. Flowers are 3½ to 4 inches in diameter, four and five open at a time, well placed on a medium tall, graceful spike. Strong healthy grower, and a bountiful producer of good sound bulblets .....	.15	MISS MADISON (Boynnton). A dainty clear pink with white undertone. Charming .....	.10
CAPTAIN BOYNTON (Boynnton). White, suffused lavender, with deeper lavender throat. A splendid commercial variety. (First Class Certificate A. G. S.) .....	.10	MRS. DR. NORTON (Kundred). Pure white shading to pink at edge of petals. Good commercial variety .....	.05
CHATEAU THIERRY (Vos). Bright scarlet red, with carmine stripe on creamy ground on lower petals. Wide open flowers 5 to 6 inches. Fine spike. Excellent grower. Won fire prize M. G. S. 1927 .....	.05	MRS. FRANCIS KING (Coblentz). A true flame and in all situations it is very effective and grand; a good grower and bears very large well opened flowers .....	.05
CRIMSON GLOW (Betcher). Deep crimson of the most rugged constitution. The best shipping red .....	.05	MRS. FRANK PENDLETON, JR. (Kundred). Bright rose pink shading to a deeper tint toward center of the petals, lower petals blotched rich carmine; flowers large, well opened, and of graceful form; spike straight and strong, growth vigorous .....	.05
DR. F. E. BENNETT (Diener). Peach-red, flushed with flame, throat speckled ruby and white. Vigorous and attractive .....	.06	MINUET. The best lavender .....	.10
GIANT NYMPH (Coleman). Very tall light pink with cream throat. Very large open flowers on long spike, and one that should be in any collection .....	.05	MRS. LEON DOUGLAS. Begonia rose striped lightly scarlet. Splendid .....	.05
GLORY OF KENNEMERLAND (Vos). The only true rose colored Glad. Deep rose pink. Lower petals exhibit a pomegranate purple blotch on a creamy yellow ground. An unusual and pleasing color combination. Very strong spike. Immense flowers, 4-5 inches, with heavy foliage .....	.05	MRS. VAN KONYNENBERG. Deep bluish purple. Magnificent spike .....	.10
GOLD EAGLE (Austin). Rich deep yellow, nicely ruffled, on long straight spike. Very fine .....	.05	MURIEL (Vos). A beautiful orchid shade with purple blotch on lower petals. Rare and lovely .....	.10
GOLDEN DREAM (Groff). A lovely deep yellow that will prove one of the best for commerce, because of its grace and length of spike .....	.10	RICHARD DIENER (Diener). Glowing La France pink with flakings of geranium pink and soft orange tongue. Blooms ruffled, on large spike .....	.05
GOLDEN MEASURE (Kelway). The most wonderful spike and bloom, and the best pure yellow .....	.10	ROMANCE (Kundred). Orange, salmon rose. Red and yellow blotch. Wine blue bordered petals. Ruffled and very unusual. First prize at M. G. S. 1927 .....	.05
HALLEY (Velthuys). Salmon pink with creamy white blotch; one of the earliest .....	.05	ROSE ASH (Diener). A novelty of old rose and ashes of roses, differing from any other variety we know. A grand flower on straight tall spike .....	.05
HERADA (Austin). Pure mauve with deeper markings in throat. Very large flowers, tall, straight spike. Wonderful bulblet producer. Beyond any doubt the finest gladiolus in its color .....	.05	SHEILA (Coleman). Light coral, shading to a pale pink throat. Wide martius yellow blotch with tiny scarlet and stripes in center. A fine early variety .....	.05
JOE COLEMAN (Coleman). Bright spectrum red, carmine blotch. Large flower and many open at one time .....	.05	SIDNEY PLUMMER (Salbach). Soft yellow, suffused pink, with amaranth tongue. An exquisite bloom of large size on perfect stem. Rated 95 for both exhibition and commerce .....	.05
L'IMMACULEE. Pure waxy white without a trace of blemish. Fine for all floral purposes .....	.05	TYCKO ZANG (Austin). A salmon pink of unsurpassed brilliance. Large flowers on strong, straight spike, often over 4 feet tall. A Glad of great beauty and distinction .....	.05
		VEILCHENBLAU (Pfitzer). The loveliest of all the blues. Dark blue flowers gracefully set on long, straight stems .....	.15
		W. H. PHIPPS (Diener). La France pink overlaid with rosy salmon, center lighter. Flowers enormous, and habits ideal .....	.10

Gladiolus Assortment

- No. I—12 Choice large flowered gladiolus, all different, for \$1.00
- No. II—25 Choice large flowered gladiolus, or 25 primulinus, assorted colors, for \$1.00
- No. III—50 Choice large flowered gladiolus, labeled, assorted colors, for \$2.00
- No. IV—100 Choice mixture, for \$2.50

Collections of Dahlias

- No. I—12 good Dahlias, labeled, will include Jane Cowl, for \$2.50
- No. II—12 Dahlias, my selection, labeled, \$5.00
- No. III—12 Dahlias, my selection, each one labeled, value \$20.00, for \$10.00
- No. IV—12 Extra choice Pompon Dahlias, my selection, each one labeled, for \$3.00
- No. V—12 Single and Collarettes, assorted, my selection, each one labeled, will include San Mateo Star, the largest and finest ever produced, for \$2.00